

Contents

- Abe K, Aoki Y: Sex differences in bone resorption in the mouse femur. A light- and scanning electron-microscopic study 15-21
- Aber VR → Kar S
- Akisaka T, Subita GP, Kawaguchi H, Shigenaga Y: Different tartrate sensitivity and pH optimum for two isoenzymes of acid phosphatase in osteoclasts. An electron-microscopic enzyme-cytochemical study 69-76
- Alonso G → Siaud P
- Altner H → Steinbrecht RA
- Anderson C, Campbell G: Innervation of the gastrointestinal canal of the toad *Bufo marinus* by neurons containing 5-hydroxytryptamine-like immunoreactivity 601-609
- Aoki Y → Abe K
- Assenmacher I → Siaud P
- Back H, Forssmann WG, Stumpf WE: Atrial myoendocrine cells (cardiodilatin/atrial natriuretic polypeptide containing myocardiocytes) are target cells for estradiol 673-674
- Bäck N: The effect of bromocriptine on the intermediate lobe of the rat pituitary: an electron-microscopic, morphometric study 405-410
- Bailly Y → Dunel-Erb S
- Balmefrezol M → Siaud P
- Barbanel G → Siaud P
- Barghava U → McCulloch CAG
- Baumann O, Walz B: Topography of Ca^{2+} -sequestering endoplasmic reticulum in photoreceptors and pigmented glial cells in the compound eye of the honeybee drone 511-522
- Behrens K → Lauke H
- Bement WM, Capco DG: Intracellular signals trigger ultrastructural events characteristic of meiotic maturation in oocytes of *Xenopus laevis* 183-191
- Bernstein AB, Preisig E, Schroeder HE: Formation of a new fibrous attachment to human dental roots. Effect of co-culturing periodontal ligament-derived and allogenic cortical bone-derived cells 631-639
- Bertelé A → D'Adda T
- Bjønning C, Driedrich W, Holmgren S: Neuropeptide Y-like immunoreactivity in the cardiovascular nerve plexus of the elasmobranchs *Raja erinacea* and *Raja radiata* 481-486
- Blechs Schmidt K → Füller H
- Blotner D, Wagner H-J: Localization of calcium and phosphorus in early pre-dentin-matrix components by electron spectroscopic imaging (ESI)-analysis in rat molars 611-617
- Bohle A → Christensen JA
- Bordi C → D'Adda T
- Brousse N → Jarry A
- Brujntjes JP → Spit BJ
- Burkhardt-Holm P, Holmgren S: A comparative study of neuropeptides in the intestine of two stomachless teleosts (*Poecilia reticulata*, *Leuciscus idus melanotus*) under conditions of feeding and starvation 245-254
- Calas A → Decavel C
- Calas A → Pontet A
- Campbell G → Anderson C
- Campbell G → Osborne PB
- Capco DG → Bement WM
- Carlberg M → Elofsson R
- Chaldakov GN, Nabika T, Nara Y, Yamori Y: Cyclic AMP- and cytochalasin B-induced arborization in cultured aortic smooth muscle cells: its cytopharmacological characterization 435-442
- Chan W → Cho T
- Chen K-Y → Huang S-K
- Chiba A, Ohnishi S, Honma Y: Immunocytochemical localization of S-100 protein in the hypophysis and saccus vasculosus of the elasmobranchs *Mustelus manazo* and *Scyliorhinus torazame* 255-260
- Chiba T, Masuko S: Coexistence of multiple peptides in small intensely fluorescent (SIF) cells of inferior mesenteric ganglion of the guinea pig 523-527
- Cho T, Chan W, Cutz E: Distribution and frequency of neuro-epithelial bodies in post-natal rabbit lung: Quantitative study with monoclonal antibody against serotonin 353-362
- Christ B → Wilting J
- Christensen JA, Bohle A, Mikeler E, Taugner R: Renin-positive granulated Goormaghtigh cells. Immunohistochemical and electron-microscopic studies on biopsies from patients with pseudo-Bartter syndrome 149-153
- Cohen SL, Kriebel RM: Terminal processes of serotonin neurons in the caudal spinal cord of the molly, *Poecilia latipinna*, project to the leptomeninges and urophysis 619-625
- Csernus V → Józsa R
- Culler MD → Merenthaler I
- Cutz E → Cho T
- Dacheux F, Dacheux J-L: Androgenic control of antagglutinin secretion in the boar epididymal epithelium. An immunocytochemical study 371-378
- Dacheux J-L → Dacheux F
- D'Adda T, Bertelé A, Pilato FP, Bordi C: Quantitative electron microscopy of endocrine cells in oxyntic mucosa of normal human stomach 41-48
- Danger JM → Pontet A
- Decavel C, Dubourg P, Leon-Henri B, Geffard M, Calas A: Simultaneous immunogold labeling of GABAergic terminals and vasopressin-containing neurons in the rat paraventricular nucleus 77-80
- Dechesne CJ → Mbiene JP
- Diederer JHB → Jansen WF
- Donald JA, Lillywhite HB: Vasoactive intestinal polypeptide-immunoreactive nerves in the pulmonary vasculature of the aquatic file snake *Acrochordus granulatus* 585-588
- Dorland M → Jansen WF
- Driedrich W → Bjønning C
- Dubourg P → Decavel C
- Dubourg P → Pontet A
- Dunel-Erb S, Bailly Y, Laurent P: Neurons controlling the gill vasculature in five species of teleosts 567-573
- Eckert M → Füller H
- Eckmiller MS: Outer segment growth and periciliary vesicle turnover in developing photoreceptors of *Xenopus laevis* 283-292
- Editorial 3
- Edwall D → Hansson H-A
- Eichelberg H → Hertwig I
- Elmagd AA → Hees H
- Elofsson R, Carlberg M: Gland cells in the tentacles of the jellyfish *Cyanea lamarckii* reactive with an antibody against 5-hydroxytryptamine 419-422
- Endo T → Uchida T
- Engle J → Reisert I
- Enomoto H → Nogami H
- Erdő SL, Joo F, Wolff JR: Immunohistochemical localization of glutamate decarboxylase in the rat oviduct and ovary: Further evidence for non-neural GABA systems 431-434
- Ericson LE → Fredriksson G
- Evans BK → Osborne PB
- Farraway L → Nurse CA
- Fenaux R → Fredriksson G
- Fésüs L → Thomázy V
- Flerkó B → Merenthaler I
- Flik G → Wendelaar Bonga SE
- Forssmann WG → Back H
- Franzoni MF, Morino P: The distribution of GABA-like immunoreactive neurons in the brain of the newt, *Triturus cristatus carnifex*, and the green frog, *Rana esculenta* 155-166
- Fredriksson G, Fenaux R, Ericson LE: Distribution of peroxidase and iodination activity in the endostyles of *Oikopleura albicans* and *Oikopleura longicauda* (Appendicularia, Chordata) 505-510
- Fried G, Meister B, Wikström M, Terenius L, Goldstein M: Galanin-, neuropeptide Y- and enkephalin-like immunoreactivities in catecholamine-storing paraganglia of the fetal guinea pig and newborn pig 495-504
- Füller H, Eckert M, Blechs Schmidt K: Distribution of GABA-like immunoreactive neurons in the optic lobes of *Periplaneta americana* 225-233
- Gaymann W, Martin R: Immunoreactive galanin-like material in magnocellular hypothalamo-neurohypophysial neurones of the rat 139-147
- Geffard M → Decavel C
- Gibson SJ → Kar S

- Goette S-M → Prusch RD
 Goldstein M → Fried G
 Grounds MD, McGeachie JK: A comparison of muscle precursor replication in crush-injured skeletal muscle of Swiss and BALBc mice 385-391
 Haberman P → Prusch RD
 Halász B → Nemeskéri Á
 Hand AR → Lotti LV
 Hansson H-A, Edwall D, Löwenadler B, Norstedt G, Paleus S, Skottner A: Somatostatin C in the pancreas of young and adult, normal and obese, hyperinsulinemic mice 467-474
 Hees H, Wrobel K-H, Kohler T, Elmagd AA, Hees I: The mediastinum of the bovine testis 29-39
 Hees I → Hees H
 Hendriksen EGJ → Spit BJ
 Herken R → Welim HB
 Hertwig I, Eichelberg H, Schneider H: The fine structure of the fin musculature in two teleost species with different swimming modes, the puffer, *Tetraodon steindachneri*, and the goldfish, *Carassius auratus* 363-369
 Hill MW, Mackenzie IC: The influence of subepithelial connective tissues on epithelial proliferation in the adult mouse 179-182
 Hira Y → Matsushima S
 Hisada M → Nakagawa H
 Holmgren S → Bjenning C
 Holmgren S → Burkhardt-Holm P
 Holstein A-F → Lauke H
 Honma Y → Chiba A
 Hose JE → Omori SA
 Huang S-K, Zhu P-H, Qu F-J, Chen K-Y: Quantitative investigation of the neuromuscular junction of rat skeletal muscle fibres after double innervation 209-213
 Humbert W, Voegel JC, Kirsch R, Simonneaux V: Role of intestinal mucus in crystal biogenesis: an electron-microscopical, diffraction and X-ray microanalytical study 575-583
In memoriam Donald S. Farner 1
 Ishikawa H → Nogami H
 Jacobs JM → Kar S
 Jansen WF, Diederichs JHB, Dorland M, Langermans J, Meesen BPM, Mink K, Vullings HGB: Ultrastructural enzyme-cytochemical study of the intrinsic glandular cells in the corpus cardiacum of *Locusta migratoria*: relation to the secretory and endocytotic pathways, and to the lysosomal system 167-178
 Jarry A, Robaszkiewicz M, Brousse N, Potet F: Immune cells associated with M cells in the follicle-associated epithelium of Peyer's patches in the rat. An electron- and immuno-electron-microscopic study 293-298
 Jégou B → Sourdaine P
 Joo F → Erdő SL
 Józsa R, Mess B, Csernus V: Ontogenetic development of thyrotropin-releasing hormone (TRH)-immunoreactive structures in the brain of the mallard embryo 657-662
 Kah O → Pontet A
 Kanai M: Ultrastructural and biochemical studies of lipolysis by lipolysosomes in chick hepatocytes 559-565
 Kaneko T → Wendelaar Bonga SE
 Kar S, Gibson SJ, Scaravilli F, Jacobs JM, Aber VR, Polak JM: Reduced numbers of calcitonin gene-related peptide (CGRP-) and tachykinin-immunoreactive sensory neurones associated with greater enkephalin immunoreactivity in the dorsal horn of a mutant rat with hereditary sensory neuropathy 451-466
 Kawaguchi H → Akisaka T
 Kirsch R → Humbert W
 Kobayashi S → Murofushi H
 Kohler T → Hees H
 Komuro T: Three-dimensional observation of the fibroblast-like cells associated with the rat myenteric plexus, with special reference to the interstitial cells of Cajal 343-351
 Kriebel RM → Cohen SL
 Krishna NSR → Subhedar N
 Kuper CF → Spit BJ
 Langermans J → Jansen WF
 Lauke H, Behrens K, Holstein A-F: Leydig cell mitoses in human testes bearing early germ cell tumors 475-479
 Laurent P → Dunel-Erb S
 Lee J-K → Steinbrecht RA
 Leon-Henri B → Decavel C
 Lillywhite HB → Donald JA
 Loots GP, Nel PPC: Early stages of ciliogenesis in the respiratory epithelium of the nasal cavity of rabbit embryos 589-594
 Lotti LV, Hand AR: Endocytosis of native and glycosylated bovine serum albumin by duct cells of the rat parotid gland 333-342
 Löwenadler B → Hansson H-A
 Mackenzie IC → Hill MW
 Manzoni O → Sjaud P
 Martin GG → Omori SA
 Martin R → Gaymann W
 Masson-Pévet M, Pévet P: Cytochemical localization of type-A and -B monoamine oxidase in the rat pineal gland 299-305
 Masuko S → Chiba T
 Matsushima S, Sakai Y, Hira Y: Twenty-four-hour changes in pinealocytes, capillary endothelial cells and pericapillary and intercellular spaces in the pineal gland of the mouse. Semiquantitative electron-microscopic observations 323-332
 Mbiene JP, Dechesne CJ, Schachner M, Sans A: Immunocytological characterization of the expression of cell adhesion molecule L1 during early innervation of mouse otocysts 81-88
 McCulloch CAG, Barghava U, Melcher AH: Cell death and the regulation of populations of cells in the periodontal ligament 129-138
 McGeachie JK → Grounds MD
 Meesen BPM → Jansen WF
 Meij CJM van der → Wendelaar Bonga SE
 Meister B → Fried G
 Melcher AH → McCulloch CAG
 Merenthaler I, Culler MD, Petrusz P, Flerkő B, Negro-Vilar A: Immunocytochemical localization of the gonadotropin-releasing hormone-associated peptide portion of the LHRH precursor in the hypothalamus and extrahypothalamic regions of the rat central nervous system 5-14
 Mess B → Józsa R
 Michna H: Induced locomotion of human and murine macrophages: A comparative analysis by means of the modified Boyden-chamber system and the agarose migration assay 423-429
 Mikeler E → Christensen JA
 Mikkelsen JD: Immunohistochemical localization of vasoactive intestinal peptide (VIP) in the circumventricular organs of the rat 307-313
 Mink K → Jansen WF
 Mizukawa K → Watanabe H
 Moos F → Vuillez P
 Morino P → Franzoni MF
 Murofushi H, Suzuki M, Sakai H, Kobayashi S: Immunohistochemical localization of microtubule-associated proteins in the nervous system of the small intestine of guinea pig 315-322
 Nabika T → Chaldakov GN
 Nakagawa H, Hisada M: Morphology of descending statocyst interneurons in the crayfish *Procambarus clarkii* Girard 539-551
 Nara Y → Chaldakov GN
 Negro-Vilar A → Merenthaler I
 Nel PPC → Loots GP
 Nemeskéri Á, Halász B: Cultured fetal rat pituitaries kept in synthetic medium are able to initiate synthesis of trophic hormones 645-650
 Nickerson SC: Cilia on bovine mammary epithelium: ultrastructural observations 675-677
 Nogami H, Suzuki K, Enomoto H, Ishikawa H: Studies on the development of growth hormone and prolactin cells in the rat pituitary gland by in situ hybridization 23-28
 Norstedt G → Hansson H-A
 Northcutt RG → Puzdrowski RL
 Novicki A: Neural activity pattern is not necessary for the development of adult ultrastructure in katydid (*Neoconocephalus robustus*) singing muscles 641-644
 Nurse CA, Faraway L: Characterization of Merkel cells and mechanosensory axons of the rat by styryl pyridinium dyes 125-128
 Ogata T, Yamasaki Y: High resolution scanning electron-microscopic study on the three-dimensional structure of the sarcoplasmic reticulum in the slow (tonic) muscle fibers of the frog, *Rana nigromaculata* 669-672
 Ohnishi S → Chiba A
 Omori SA, Martin GG, Hose JE: Morphology of hemocyte lysis and clotting in the ridgeback prawn, *Sicyonia ingentis* 117-123

- Osborne PB, Campbell G, Evans BK: Distribution of substance P in the enteric plexuses of the small intestine of the platypus, *Ornithorhynchus anatinus* 663-667
- Otsuka N → Watanabe H
- Paleus S → Hansson H-A
- Pang PKT → Wendelaar Bonga SE
- Pelletier G → Pontet A
- Petrusz P → Merchenthaler I
- Pévet P → Masson-Pévet M
- Pilato FP → D'Adda T
- Pilgrim C → Reisert I
- Polak JM → Kar S
- Pontet A, Danger JM, Dubourg P, Pelletier G, Vaudry H, Calas A, Kah O: Distribution and characterization of neuropeptide Y-like immunoreactivity in the brain and pituitary of the goldfish 529-538
- Potet F → Jarry A
- Preisig E → Bernstein AB
- Prusch RD, Goette S-M, Haberman P: Prostaglandins may play a signal-coupling role during phagocytosis in *Amoeba proteus* 553-557
- Puzdrowski RL, Northcutt RG: Central projections of the pineal complex in the silver lamprey *Ichthyomyzon unicuspis* 269-274
- Qu F-J → Huang S-K
- Rao PDP → Subhedar N
- Redecker P: Immunohistochemical localization of glial fibrillary acidic protein (GFAP) and vimentin in the subcommissural organ of the Mongolian gerbil (*Meriones unguiculatus*) 595-600
- Reisert I, Engele J, Pilgrim C: Early sexual differentiation of diencephalic dopaminergic neurons of the rat in vitro 411-417
- Robaszkiewicz M → Jarry A
- Rýdlová K → Uhrík B
- Sakai H → Murofushi H
- Sakai Y → Matsushima S
- Sans A → Mbiene JP
- Scaravilli F → Kar S
- Schachner M → Mbiene JP
- Schneider H → Hertwig I
- Schroeder HE → Bernstein AB
- Shigenaga Y → Akisaka T
- Siaud P, Manzoni O, Balmezfrezol M, Barbanel G, Assenmacher I, Alonso G: The organization of prolactin-like-immunoreactive neurons in the rat central nervous system. Light- and electron-microscopic immunocytochemical studies 107-115
- Simonneaux V → Humbert W
- Skottner A → Hansson H-A
- Smits PWJM → Wendelaar Bonga SE
- Sourdaine P, Jégou B: Dissociation and identification of intact seminiferous lobules from the testis of the dogfish (*Scyliorhinus canicula*) 199-207
- Spit BJ, Hendriksen EGJ, Bruijntjes JP, Kuper CF: Nasal lymphoid tissue in the rat 193-198
- Steinbrecht RA: The fine structure of thermo-/hygroresponsive sensilla in the silkworm *Bombyx mori*: Receptor membrane substructure and sensory cell contacts 49-57
- Steinbrecht RA, Lee J-K, Altner H, Zimmermann B: Volume and surface of receptor and auxiliary cells in hygro-/thermoreceptive sensilla of moths (*Bombyx mori*, *Antheraea pernyi*, and *A. polyphemus*) 59-67
- Stoeckel ME → Vuillez P
- Stumpf WE → Back H
- Subhedar N, Krishna NSR, Rao PDP: Cytoarchitectonic pattern of the hypothalamus in the crocodile, *Gavialis gangeticus* 89-105
- Subita GP → Akisaka T
- Suzuki K → Nogami H
- Suzuki M → Murofushi H
- Taugner R → Christensen JA
- Terenius L → Fried G
- Thies M → Welim HB
- Thomázy V, Fésüs L: Differential expression of tissue transglutaminase in human cells. An immunohistochemical study 215-224
- Uchida T, Endo T: Identification of cell types containing S-100b protein-like immunoreactivity in the islets of Langerhans of the guinea pig pancreas with light and electron microscopy 379-384
- Uhrík B, Rýdlová K, Zacharová D: The roles of haemocytes during degeneration and regeneration of crayfish muscle fibres 443-449
- Vaudry H → Pontet A
- Voegel JC → Humbert W
- Vuillez P, Moos F, Stoeckel ME: Immunocytochemical and ultrastructural studies on allografts of the pituitary neurointermediate lobe in the third cerebral ventricle of the rat 393-404
- Vullings HGB → Jansen WF
- Wagner H-J → Blottner D
- Walz B → Baumann O
- Watanabe H, Mizukawa K, Otsuka N: Ultrastructural changes in granule cell somata and mossy fibers of the rat hippocampus during picrotoxin-induced convulsions 261-267
- Weber C: Smooth muscle fibers of *Podocoryne carnea* (Hydrozoa) demonstrated by a specific monoclonal antibody and their association with neurons showing FMRFamide-like immunoreactivity 275-282
- Welim HB, Thies M, Herken R: Appearance of lectin-binding sites during vascularization of the primordium of the central nervous system in 10 to 12-day-old mouse embryos 627-630
- Wendelaar Bonga SE, Meij CJM van der: Degeneration and death, by apoptosis and necrosis, of the pavement and chloride cells in the gills of the teleost *Oreochromis mossambicus* 235-243
- Wendelaar Bonga SE, Smits PWJM, Flik G, Kaneko T, Pang PKT: Immunocytochemical localization of hypocalcin in the endocrine cells of the corpuscles of Stannius in three teleost species (trout, flounder and goldfish) 651-656
- Wikström M → Fried G
- Wilting J, Christ B: An experimental and ultrastructural study on the development of the avian choroid plexus 487-494
- Wolff JR → Erdő SL
- Wrobel K-H → Hees H
- Yamasaki Y → Ogata T
- Yamori Y → Chaldakov GN
- Zacharová D → Uhrík B
- Zhu P-H → Huang S-K
- Zimmermann B → Steinbrecht RA

Indexed in *Current Contents*